## What Is Claimed Is:

(.)0	$\lambda \mathcal{I} \mathcal{I}$ .
74	1. A method for sharing a secure communication session with a client
2	between a plurality of servers, comprising:
3	receiving a message from the client at a first server in the plurality of
4	servers, the message including a session identifier that identifies a secure
5	communication session with the client; and
6	if the session dentifier does not correspond to an active secure
7	communication session on the first server, establishing an active secure
8	communication session with the client on the first server by,
9	attempting to retrieve state information associated with the
10	session identifier for an active secure communication session
11	between the client and a second server from the plurality of
12	servers,
13	if the state information for the active secure communication
14	session is retrieved, using the state information to establish the
15	active secure communication session with the client without
16	having to communicate with the client, and
17	if the state information for the active secure communication
18	session is not retrieved, communicating with the client to establish
19	the active secure communication session with the client.
1	2. The method of claim 1, wherein attempting to retrieve the state
2	information includes:
3	attempting to use the session identifier to identify the second server in the
4	plurality of servers that has an active secure communication session with the
5	client that corresponds to the session identifier; and

Sulo	β <sup>3</sup>	attempting to retrieve the state information from the second server.
	U	attempting to retrieve the state information from the several several
	1	The method of claim 1, wherein attempting to retrieve the state
	2	information involves attempting to retrieve the state information from a
	3	centralized repository that is in communication with the plurality of servers.
	1	4. The method of claim 3, wherein the centralized repository includes
	2	a database for storing the state information.
	1	5. The method of claim 1, wherein establishing the active secure
	2	communication session involves establishing a secure sockets layer (SSL)
	3	connection with the client.
	1	6. The method of claim 1, wherein the state information includes:
	2	a session encryption key for the secure communication session;
	3	the session identifier for the secure communication session; and
	4	a running message digest for the secure communication session.
	1	7. The method of claim 6, further comprising:
	2	using the message to update the running message digest; and
	3	checkpointing the updated running message digest to a location outside of
	4	the first server.
	1	8. The method of claim 1, further comprising, if the state information
	2	for the active secure communication session is retrieved, purging the state
	3	information from a location from which the state information was retrieved, so

8

9

1

2

Sub	12	7 \
	4	that the state information cannot be subsequently retrieved by another server in the
	5	plurality of servers.
	1	9. The method of claim 1, further comprising initially establishing an
	2	active secure communication session between the client and the second server, the
	3	active secure communication session being identified by the session identifier.
	1	10. The method of claim 1, wherein attempting to retrieve the state
	2	information includes authenticating and authorizing the first server.
<b>≅</b> :a	1	11. A method for sharing a secure communication session between a
	2	plurality of servers, comprising:
Vand Ande Anne Beer, Her Chair Beer, Herr Beer, Beer, Beer, Berry Herris Beer in 1848 Share medi Tragit Hangi	3	sending a message from a client to a first server in the plurality of servers,
	4	the first server having no active secure communication session with the client, the
	5	message including a session identifier;
]1	6	receiving a response to the message from the first server; and
3774 H	7	if the response indicates that no active secure communication session has

1 12. The method of claim 11, wherein the client sends the message to
2 the first server only if an active secure communication session is held by a second
3 server in the plurality of servers, wherein the second server has an address that is
4 related to the address of the first server.

been created with the client on the first server, communicating with the first server

13. A computer-readable storage medium storing instructions that when executed by a computer cause the computer to perform a method for sharing

to establish an active secure communication session.

du	λ <sup>3</sup>	a secure communication session with a client between a plurality of servers, the
	4	method comprising:
	5	receiving a message from the client at a first server in the plurality of
	6	servers the message including a session identifier that identifies a secure
	7	communication session with the client; and
	8	if the session identifier does not correspond to an active secure
	9	communication session on the first server, establishing an active secure
	10	communication session with the client on the first server by,
	11	attempting to retrieve state information associated with the
	12	session identifier for an active secure communication session
## F	13	between the client and a second server from the plurality of
4j	14	servers
u! Uj	15	if the state information for the active secure communication
w Nj	16	session is etrieved, using the state information to establish the
gi m	17	active secure communication session with the client without
# : :	18	having to communicate with the client, and
J.	19	if the state information for the active secure communication
]. 	20	session is not retrieved, communicating with the client to establish
for the time from them than the time time that the time time the time time time time time time time tim	21	the active secure communication session with the client.
	1	14. The computer-readable storage medium of claim 13, wherein
	2	attempting to retrieve the state information includes:
	3	attempting to use the session identifier to identify the second server in the
	4	plurality of servers that has an active secure communication session with the
	5	client that corresponds to the session identifier; and
	6	attempting to retrieve the state information from the second server.

2.10k	
70011	The computer-readable storage medium of claim 13, wherein
2	attempting to retrieve the state information involves attempting to retrieve the
3	state information from a centralized repository that is in communication with the
4	plurality of servers.
1	16. The computer-readable storage medium of claim 15, wherein the
2	centralized repository includes a database for storing the state information.
1	17. The computer-readable storage medium of claim 13, wherein
2	establishing the active secure communication session involves establishing a
3	secure sockets layer (SSL) connection with the client.
1	18. The computer-readable storage medium of claim 13, wherein the
2	state information includes:
3	a session encryption key for the secure communication session;
4	the session identifier for the secure communication session; and
5	a running message digest for the secure communication session.
1	19. The computer-readable storage medium of claim 18, wherein the
2	method further comprises:
3	using the message to update the running message digest; and
4	checkpointing the updated running message digest to a location outside of
5	the first server.
1	20. The computer-readable storage medium of claim 13, wherein the
2	method further comprises, if the state information for the active secure
3	communication session is retrieved, purging the state information from a location

50b R37 1			
10.0	4	from which the state information was retrieved, so that the state information	
	5	cannot be subsequently retrieved by another server in the plurality of servers.	
	1	The computer-readable storage medium of claim 13, wherein the	
	2	method further comprises initially establishing an active secure communication	
	3	session between the client and the second server, the active secure communication	
	4	session being identified by the session identifier.	
	1	22. The computer-readable storage medium of claim 13, wherein	
	2	attempting to retrieve the state information includes authenticating and	
	3	authorizing the first server.	
Ann Gran Han Hall Sum much stade starts			
41	1	23. A computer-readable storage medium storing instructions that	
Total Hear	2	when executed by a computer cause the computer to perform a method for sharing	
	3	a secure communication session between a plurality of servers, comprising:	
2	4	sending a message from a client to a first server in the plurality of servers,	
Viet 1978 (1978 (1978 (1978 (1978)) Viet 1978 (1978 (1978)) Viet 1978 (1978) Viet 1978 (1978) Viet 1978 (1978)	5	the first server having no active secure communication session with the client, the	
UJ Fi	6	message including a session identifier;	
77 74 7	7	receiving a response to the message from the first server; and	
	8	if the response indicates that no active secure communication session has	
	9	been created with the client on the first server, communicating with the first server	
	10	to establish an active secure communication session.	

1

2

3

4

24. The computer-readable storage medium of claim 23, wherein the client sends the message to the first server only if an active secure communication session is held by a second server in the plurality of servers, wherein the second server has an address that is related to the address of the first server.

5~ P	× <sup>3</sup> / \
1	An apparatus that shares a secure communication session with a
2	client between a plurality of servers, comprising:
3	a receiving mechanism, at a first server in the plurality of servers, that
4	receives a message from the client, the message including a session identifier that
5	identifies a secure communication session with the client;
6	an examination mechanism that examines the session identifier; and
7	a session initialization mechanism, on the first server, wherein if the
8	session identifier does not correspond to an active secure communication session
9	on the first server, the session initialization mechanism is configured to establish
10	an active secure communication session with the client by,
11	attempting to retrieve state information associated with the
12	session identifier for an active secure communication session
13	between the client and a second server from the plurality of
14	servers,
15	if the state information for the active secure communication
16	session is retrieved, using the state information to establish the
17	active secure communication session with the client without
18	having to communicate with the client, and
19	if the state information for the active secure communication
20	session is not retrieved, communicating with the client to establish
21	the active secure communication session with the client.
1	26. The apparatus of claim 25, wherein the session initialization
2	mechanism is configured to attempt to retrieve the state information by:

5u	6 K3-	7
, .	3	attempting to use the session identifier to identify the second server in the
	4	plurality of servers that has an active secure communication session with the
	5	client that corresponds to the session identifier; and
	6	attempting to retrieve the state information from the second server.
	1	27. The apparatus of claim 25, wherein the session initialization
	2	mechanism is configured to attempt to retrieve the state information by attempting
	3	to retrieve the state information from a centralized repository that is in
	4	communication with the plurality of servers.
· 4	1	28. The apparatus of claim 27, wherein the centralized repository
if I	2	includes a database for storing the state information.
111		
March Shared	1	29. The apparatus of claim 25, wherein the active secure
5 5 1	2	communication session includes a secure sockets layer (SSL) connection with the
ŧ	3	client.
	1	30. The apparatus of claim 25, wherein the state information includes:
	2	a session encryption key for the secure communication session;
	3	the session identifier for the secure communication session; and
	4	a running message digest for the secure communication session.
	1	31. The apparatus of claim 30, further comprising an updating
	2	mechanism that is configured to:
	3	use the message to update the running message digest; and to
	4	checkpoint the updated running message digest to a location outside of the
	5	first server.
		•

Sw	OR	7 1
,	1	32. The apparatus of claim 25, further comprising a purging
	2	mechanism that is configured to purge the state information from a location from
	3	which the state information was retrieved, so that the state information cannot be
	4	subsequently retrieved by another server in the plurality of servers.
	1	33. The apparatus of claim 25, wherein the session initialization
	2	mechanism is configured to authenticate and authorize the first server prior to
	3	receiving the state information.
Fri i	1	34. An apparatus that facilitates sharing a secure communication
55 75 85	2	session between a plurality of servers, comprising:
J) J	3	a sending mechanism that sends a message from a client to a first server in
	4	the plurality of servers, the first server having no active secure communication
buil teal and lies, to the first first the	5	session with the client, the message including a session identifier;
]]	6	a receiving mechanism that receives a response to the message from the
կում՝ Կում՝ Կում՝ Կում՝ Կում՝ Արու Սայի	7	first server; and
	8	a session initialization mechanism that communicates with the first server
	9	to establish an active secure communication session with the first server if the
	10	response indicates that no active secure communication session has been created
	11	with the client on the first server.
	1	35. The apparatus of claim 34, wherein the sending mechanism sends
	2	the message to the first server only if an active secure communication session is
	3	held by a second server in the plurality of servers, wherein the second server has
	4	an address that is related to the address of the first server.